



Please type a plus sign (+) inside this box → +

image 1732  
PTO/SB/21 (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paper Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<b>TRANSMITTAL FORM</b> <i>(to be used for all correspondence after initial filing)</i>		Application Number	09/920,341
		Filing Date	08/01/2001
		First Named Inventor	Choi et al.
		Group Art Unit	1732
		Examiner Name	Leo Tentoni
Total Number of Pages in This Submission		Attorney Docket Number	PA17-07V06

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Assignment Papers <i>(for an Application)</i>	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input type="checkbox"/> Amendment / Reply	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group <i>(Appeal Notice, Brief, Reply Brief)</i>
<input type="checkbox"/> After Final	<input type="checkbox"/> Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Other Enclosure(s) <i>(please identify below):</i>
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Terminal Disclaimer	1. Form PTO-1449 with three (3) references
<input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Request for Refund	2. Return Receipt Postcard to Kenneth C. Brooks
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> CD, Number of CD(s)	
<input type="checkbox"/> Response to Missing Parts/Incomplete Application		
<input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Kenneth C. Brooks
Signature	
Date	12/15/03

CERTIFICATE OF MAILING			
I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231 on this date: <u>12/16/03</u>			
Type or printed name	Alexis Sheffield	Date	12/16/03
Signature		Date	12/16/03

Burden Hour Statement: This form is estimated to take 0.8 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Choi et al. PATENT APPLICATION  
Serial No.: 09/920,341 Group Art Unit: 1732  
Filing Date: August 1, 2001 Examiner: Tentoni, Leo B.  
For: METHODS FOR HIGH-PRECISION GAP AND ORIENTATION SENSING  
BETWEEN A TRANSPARENT TEMPLATE AND SUBSTRATE FOR IMPRINT  
LITHOGRAPHY

INFORMATION DISCLOSURE STATEMENT

Commissioner  
for Patents  
Alexandria, VA 22313-1450

Sir:

The following information is submitted in compliance with Applicants' duty of disclosure under 37 C.F.R. § 1.56. Form PTO-1449 and a copy of each reference recited below accompanies this document. It is respectfully requested that the cited information be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

ISSUED PATENTS

<u>Patent Number</u>	<u>Inventor</u>	<u>Grant Date</u>
4,326,805	Feldman et al.	Apr. 27, 1982
4,724,222	Feldman et al.	Feb. 9, 1988



NON-PATENT DOCUMENTS

Feldman et al., "Wafer Chuck for Magnification correction in X-ray Lithography," Journal of Vacuum Science and Technology, Nov/Dec 1998, pp. 3476-3479, vol. B 16(6).

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Mail Stop PATENT APPLICATION, Alexandria, VA 22313

Signed: Alexis Sheffield

Typed Name: Alexis Sheffield

12/16/03

Respectfully Submitted,



A handwritten signature in black ink, appearing to read "Kenneth C. Brooks".

Kenneth C. Brooks  
Reg. No. 38,393

P.O. Box 10417  
Austin, Texas 78766-1417  
Telephone: 512-527-0104  
Facsimile: 512-527-0107  
patentsrus@earthlink.net

Please type a plus sign (+) inside this box

→

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.



Substitute for form 1449A/PTO

## **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

Sheet 1 of 2

<i><b>Complete if Known</b></i>	
<b>Application Number</b>	09/920,341
<b>Filing Date</b>	August 1, 2001
<b>First Named Inventor</b>	Choi et al.
<b>Group Art Unit</b>	1732
<b>Examiner Name</b>	Tentoni, Leo B.
<b>Attorney Docket Number</b>	UTS-17-07V06

## **U.S. PATENT DOCUMENTS**

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Please type a plus sign (+) inside this box

→

PTO/SB/08A (08-06)

FTO/SB/08A (08-00)  
Approved for use through 10/31/2002 OMB 0651-0031

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**Substitute for form 1449B/PTO**

DEC 22 2003

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

*(use as many sheets as necessary)*

Sheet

2

29

2

***Complete if Known***

<b>Application Number</b>	09/920,341
<b>Filing Date</b>	August 1, 2001
<b>First Named Inventor</b>	Choi et al.
Group Art Unit	1732
Examiner Name	Tentoni, Leo B.
Attorney Docket Number	UTS-17-07V06

#### **OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS**

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

**\*EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231.  
**DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231